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DESCRIPTION OF THE PRIOR ART

THE FIELD RELATED TO AUTOMOBILE TRUNKS HAS BEEN RESEARCHED THROUGH THE INTERNET AND IT APPEARS THAT VERY LITTLE EFFORT HAS BEEN PUT INTO THIS FIELD BY THE NUMBER OF PATENTS RELATING TO THE INSIDE OF AN AUTOMOBILE TRUNK. THE PRIOR ART HAS BEEN SEARCHED AND WHAT HAS BEEN FOUND IS A FEW PATENTS THAT ARE VERY COMPLEX AND THEREFORE VERY EXPENSIVE TO MANUFACTURE BECAUSE THERE ARE TOO MANY PARTS TO MAKE AND THE ASSEMBLY OF THE PARTS REQUIRES MANY HOURS TO ASSEMBLE.

THE INVENTION BEING APPLIED FOR IS VERY SIMPLE IN CONCEPT AND EASY TO MAKE. IT CREATES MORE SPACE IN THE TRUNK SINCE IT ADDS ANOTHER SHELF WITH ABOUT DOUBLE THE PREVIOUS STORAGE SPACE, MOREOVER, SINCE THE STORAGE LEVEL IS MUCH HIGHER THAN THE FLOOR OF THE TRUNK IT BECOMES MUCH EASIER FOR ELDERLY PEOPLE TO HANDLE THE ITEMS TO BE STORAGED AND TRANSPORTED HOME OR WHEREVER THEY ARE MOVING THE ITEMS TO. MOST OF THE PHYSICAL EFFORT IS SAVED WHEN THE ITEMS ARE REMOVED FROM THE CAR SINCE THEY ARE ELEVATED VERY NEAR THE OPEN DOOR OF THE TRUNK.

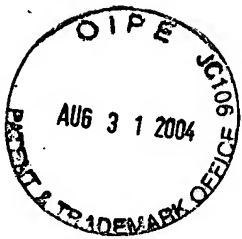
FIELD OF INVENTION

THE INVENTION RELATES TO THE FIELD OF MAKING EVERY DAY SHOPPING EASIER FOR PEOPLE WHO ARE HANDICAPPED OR HAVE A PROBLEM IN LIFTING LARGE AND HEAVY PACKAGES IF THE AUTOMOBILE THEY HAVE HAS A DEEP TRUNK. TO REMEDY THIS PHYSICAL PROBLEM A PLATFORM HAS BEEN CREATED FOR CARS THAT HAVE A DEEP TRUNK. TO MAKE LIFE EASIER DURING A WEEKLY TRIP TO THE MALL A FLAT STURDY PLATFORM IS HEREIN PROPOSED FOR CARS THAT HAVE A VERY DEEP TRUNK. THE PLATFORM HAS PEDESTALS THAT RAISES IT ABOVE THE FLOOR OF THE TRUNK TO A POSITION VERY NEAR THE TRUNK HOOD LATCH, THEREBY MAKING THE FUNCTION OF LOADING AND UNLOADING THE PURCHASED ITEMS MUCH EASIER TO HANDLE.

TO MAKE EFFICIENT USE OF THE SPACE BELOW THE SAID PLATFORM A REMOVABLE COVER OR A HINGED DOOR OR LID HAS BEEN INCORPORATED IN THE SAID PLATFORM SO THAT SUITCASES AND OTHER TRAVELING ITEMS MAY BE CARRIED ON THE FLOOR OF THE TRUNK. FURTHER MORE, WINGS ON THE LEFT AND RIGHT SIDE OF THE SAID PLATFORM HAVE BEEN DEVELOPED TO INCREASE THE USEABLE AREA OF THE BASIC SAID PLATFORM, AND FURTHER-
MORE, THE PLATFORM CAN BE CONVERTED TO A FREE STANDING TABLE BY
REMOVING IT FROM THE TRUNK, AND INSTALLING THE FOUR PANELS INTO
THE SLOTS OF THE PEDESTALS.

SUMMARY OF INVENTION

THE IDEA OF THIS FLAT PLATFORM, SHELF, WITH A LID, DOOR OR COVER IS TO DEVELOPE IT AS A HUMANITARIAN ENDEVEOR TO MAKE LIFE A LITTLE EASIER FOR THE ELDERLY PEOPLE, SENIOR CITIZENS WHO HAVE BACK PROBLEMS, AND ANYONE WHO NEEDS HELP WHILE THEY SHOP FOR EVERY DAY NECESSITIES. A FLAT PLATFORM WITH A REMOVABLE AND, OR HINGED DOOR IS AN ANSWER TO THIS HUMAN NECESSITY. THE PLATFORM IS BASICALLY A ONE PIECE OBJECT WITH AN OPTION TO ADD TWO SIDE ELEMENTS, CALLED WINGS TO INCREASE CARRYING AREA OF THE PLATFORM. THESE WINGS CAN BE INSTALLED OR REMOVED TO ACCOMMODATE THE INDIVIDUAL SITUATION. THE AFFECT OF ADDING A PLATFORM OF THIS NATURE TO THE TRUNK BASICALLY CREATES A SECOND SHELF RAISED SUBSTANTLY ABOVE THE TRUNK FLOOR, ESTABLISHING EASIER ACCESS TO THE ITEMS TO BE TRANSPORTED TO THE HOME OR OTHER DESIGNATED PLACES. MOST AUTOMOBILE TRUNKS HAVE DIFFERENT TRUNK INTERIORS BECAUSE OF MODEL DIFFERENCES, SIZE AND ESTHIC OBJECTIVES OF THE MANUFACTURER, HOWEVER, THERE ARE SEVERAL SEDANS MADE BY THE SAME COMPANY THAT HAVE TRUNKS THAT ESSENTIALLY ARE ALIKE. THIS INVENTION TARGETS THESE AUTOMOBILE MODELS. THEY ARE THE MODELS PREFERRED BY SENIORS, AND AN ADDITIONAL FEATURE THAT COMES WITH THE PLATFORM IS THAT IT CAN EASILY BE CONVERTED TO A FREE STANDING TABLE.



BRIEF DISCRIPTION OF THE DRAWINGS

THE DRAWINGS CONSIST OF 13 ILLUSTRATIONS, 2 OF WHICH ARE A CROSS SECTION,

TO OBTAIN A BETTER UNDERSTANDING OF THE NATURE AND OBJECTS OF THE INVENTION, REFERENCE IS MADE TO THE FOLLOWING DETAILED DRAWINGS, IN WHICH:

FIG. 1 IS A PLAN VIEW OF THE PLATFORM SHOWING THE SAID PLATFORM AS ONE PIECE WITH HAND HELD SLOTS, STRENGTHENING RIBS, THIN CURVED SECTIONS AND CIRCULAR HOLES.

FIG. 2 REVEALS A FRONTAL VIEW SHOWING THE PEDESTALS AND RIBBING, AND CROSS SECTION A-A OF THE THIN INTERNAL HINGE.

FIG. 3 SHOWS A SIDE VIEW OF THE PLATFORM.

FIG. 4 AGAIN SHOWS THE PLATFORM IN TOP VIEW WITH THE DOOR IN A CLOSED AND OPEN POSITION ATTACHED WITH TWO HINGES, AND A DOOR STOP, AND A FLEXIBLE CLIP TO KEEP THE DOOR CLOSED.

FIG. 5 SHOWS THE FRONTAL VIEW OF THE SAID PLATFORM WITH THE FLEXIBLE CLAMP HOLDING DOWN, IN A LOCKED POSITION, THE DOOR.

FIG. 6 IS A SIDE VIEW OF FIG. 5 SHOWING THE OPEN DOOR.

FIG. 7 SHOWS A TOP VIEW OF THE SAID PLATFORM WITH A COVER AND TWO CANTILEVERS ON EACH SIDE OF THE COVER ACTING AS COVER STOPPERS ATTACHED TO THE UNDERSIDE.

FIG. 8 IS THE SIDE VIEW OF FIG. 7

FIG. 9 IS THE TOP VIEW OF THE PLATFORM WITH THE WINGS ENGAGED IN THE SLOTS.

FIG 10 IS A VIEW SHOWING THE TAB OF THE WINGS LOCKED IN THE PLATFORM AND SECTION B-B, PLATES ON EACH SIDE OF THE WING TABS.

BRIEF DISCRIPTION OF THE DRAWINGS

FIGURE 11 SHOW THE PEDESTALS WITH EACH ONE HAVING TWO
BRACKETS MOUNTED ON OPPOSITE SIDE FORMING SLOTS FOR MOUNTING
PANELS OR LEGS FOR A TABLE THAT IS OPTIONAL.

FIGURE 12 SHOWS THE FREE STANDING TABLE WITH THE LEGS
ATTACHED TO THE PEDESTAL AND THE PEDESTALS ATTACHED TO THE
PLATFORM CREATING THE TABLE.

FIGURE 13 SHOWS A PARTIAL SIDE VIEW OF THE TABLE LEG.



DETAILED DISCRIPTION OF THE INVENTION

FIGURE. 1 ILLUSTRATES THE TOP VIEW OF THE PLATFORM MEMBER 1 FOR A VEHICLE TRUNK MADE FROM ONE SLAB OF PLASTIC MATERIAL MEMBER HAVING RIBBING 10 TO GIVE IT STIFFNESS, HAND HELD SLOTS MEMBER 5 FOR IMPROVED HANDLING, PEDESTALS MEMBER 2 ATTACHED TO THE UNDERSIDE OF THE SAID PLATFORM FOR SUPPORT AS THEY REST ON THE SHOULDERS AND THE FLOOR OF THE TRUNK. THE PLATFORM BODY IS MEMBER 1 AND MEMBER 3 IS A CROSS RIB STIFFENER WHILE MEMBER 4 IS ONE OF A NUMBER OF NARROW SLOTS TO SUPPORT SOME VERTICAL WALLS, MEMBER 11. THE PLATFORM HAS OTHER RIBS, MEMBER 10 FOR THE LID ON THE UNDERSIDE, TO ACT AS STIFFENERS AND STOPS MEMBER 9 SO THE LID CAN REST IN A FLAT POSITION. MEMBER 6 IS THE LID AND MEMBER 7 IS A STIFFENER IN THE MIDDLE OF THE LID, MEMBER 13 IS THE DOOR LOCK.

FIG. 2 SHOWS THE PLATFORM AT REST ON THE RAISED SHOULDERS, ON EACH SIDE OF THE TRUNK, SUPPORTED BY THE SAID PEDESTALS MEMBER 2 IN CONTACT WITH THE FLOOR OF THE TRUNK. MEMBER 8 REPRESENTS ONE OF TWO THIN SIDE ELEMENTS THAT ARE CUT AFTER THE PLATFORM IS MOLDED CREATING A LID.

FIG. 3 SHOWS THE SIDE VIEW OF FIG.1 WITH MEMBER 10 REPRESENTATIVE OF THE RIBBING AT VARIOUS LOCATIONS ON THE UNDERSIDE OF THE PLATFORM.

FIG.4 WITH MEMBER 1, THE SAID PLATFORM, DEPICTS AN ALTERNATE CONFIGURATION OF THE SAID PLATFORM HAVING A HINGED LID MEMBER 12, ONE OF TWO HINGES, FOR DOOR MOVEMENT.

FIG. 5 IS A FROMT VIEW OF FIG.4 SHOWING MEMBER 13, A FLEXIBLE U-SHAPED CLIP, HOLDING THE DOOR IN A CLOSED POSITION WHILE THE

PLATFORM IS SEATED ON THE SHOULDERS OF THE TRUNK WITH SUPPORTING MEMBERS 2. THE DOOR IS ALSO SHOWN IN THE OPEN POSITION; AND ALSO SHOWN IN THIS CONFIGURATION IS AN INSERT MEMBER 11 THAT ESTABLISHES A WALL TO SECTIONALIZE THE TOP SURFACE OF THE PLATFORM

FIG. 6 SHOWS THE OPEN DOOR MEMBER 6, AND MEMBER 13 IN A THREE DIMENSIONAL POSITION DEPICTING THE DOOR CLIP.

FIG. 7 SHOWS ANOTHER OPTION OF A COVER, THAT IS REMOVABLE, HELD DOWN FIRMLY BY A ROTATABLE WING LOCK SO THAT IT REMAINS IN A RELATIVE FLAT POSITION WHEN THE VEHICLE IS IN MOTION. THIS LOCK IS MEMBER 14. AND CAN BE ROTATED 360 DEGREES.

FIG. 8 IS THE SIDE VIEW OF THE PLATFORM PLAN VIEW.

FIG. 9 IS ANOTHER TOP VIEW OF THE PLATFORM HAVING A REMOVABLE DOOR MEMBER 6 AS SHOWN IN FIG. 7 WITH THE WING TYPE LOCK. THE REPRESENTATION SHOWS THE ARCHITECTURE OF THE SIDES OF THE TRUNK INTERIOR AND TWO INSERTABLE AND REMOVABLE ELEMENTS PROVIDING ADDITIONAL CARRYING SPACE CONNECTED TO EACH SIDE OF THE SUBJECT PLATFORM. THESE EXTENSIONS HAVE TABS ON ONE SIDE OF THEIR STRUCTURE THAT ARE MEMBERS 15 AND 16, HEREIN, CALLED WINGS. THE PLATFORM MEMBER 1 HAS CUT^{OUTS} THAT CONFORM TO THE SHAPE OF THE WING TABS AND MEMBER 17, METAL PLATES, THAT ARE ATTACHED TO THE OPPOSITE SIDES, THE TOP AND BOTTOM, OF THE PLATFORM THEREBY CREATING SLOTS SHAPED TO ACCEPT THE TABS AS SHOWN BY SECTION B-B ABOVE THE TOP VIEW.

FIG. 10 REVEALS THE DETAILS OF AN ALTERNATIVE METHOD OF ATTACHING THE WING MEMBERS 15 AND 16 TO THE PLATFORM MEMBER 1.

THIS VIEW SHOWS MEMBER 16 TYPICAL OF WING MEMBER 15 ASSEMBLED WITH TWO SLIP BOLTS AND SUPPORTED BY A CANTILEVER MEMBER 18 ATTACHED TO THE UNDERSIDE OF THE SAID PLATFORM THAT GUIDES THE WING'S INSTALLATION DURING ASSEMBLY. THE BOLTS MAKE THE INSTALLATION OF THE WINGS EASIER BECAUSE THEY CAN BE SET DOWN INTO PLACE, SLIP THE BOLT INTO ITS COUNTERPART, AND ROTATED TO THE LOCKED POSITION. WINGS WITH TABS REQUIRE MORE SIDE SPACE TO INSERT IT INTO THE SLOT.

FIG. 11 SHOWS THE PEDESTAL MEMBER 2 ASSEMBLED WITH TWO BRACKETS MEMBER 20 MOUNTED SO THAT SLOTS ARE FORMED THAT ALLOW FOUR PANELS WITH TABS MEMBER 11 TO STAND ERECT, TWO ON THE PEDESTAL AND TWO ON THE SAID PLATFORM SURFACE. WHEN THE PANELS ARE DISCONNECTED FROM THE TOP AND INSERTED INTO THE SLOTS ON THE INSIDE INCLINED SURFACE OF THE PEDESTALS THEY BECOME LEGS AND CREATE A FREESTANDING TABLE.

FIG. 12 SHOWS A FRONT VIEW OF THE ASSEMBLED FREE STANDING TABLE ON LEGS THAT ALSO FUNCTION AS PANELS AS PREVIOUSLY MENTIONED.

FIG. 13 SHOWS A PARTIAL SIDE VIEW OF THE TABLE ASSEMBLY ILLUSTRATING THE PANEL MEMBER 11 THAT FUNCTIONS AS A LEG, ALSO MEMBER 11.